

Fig. 1

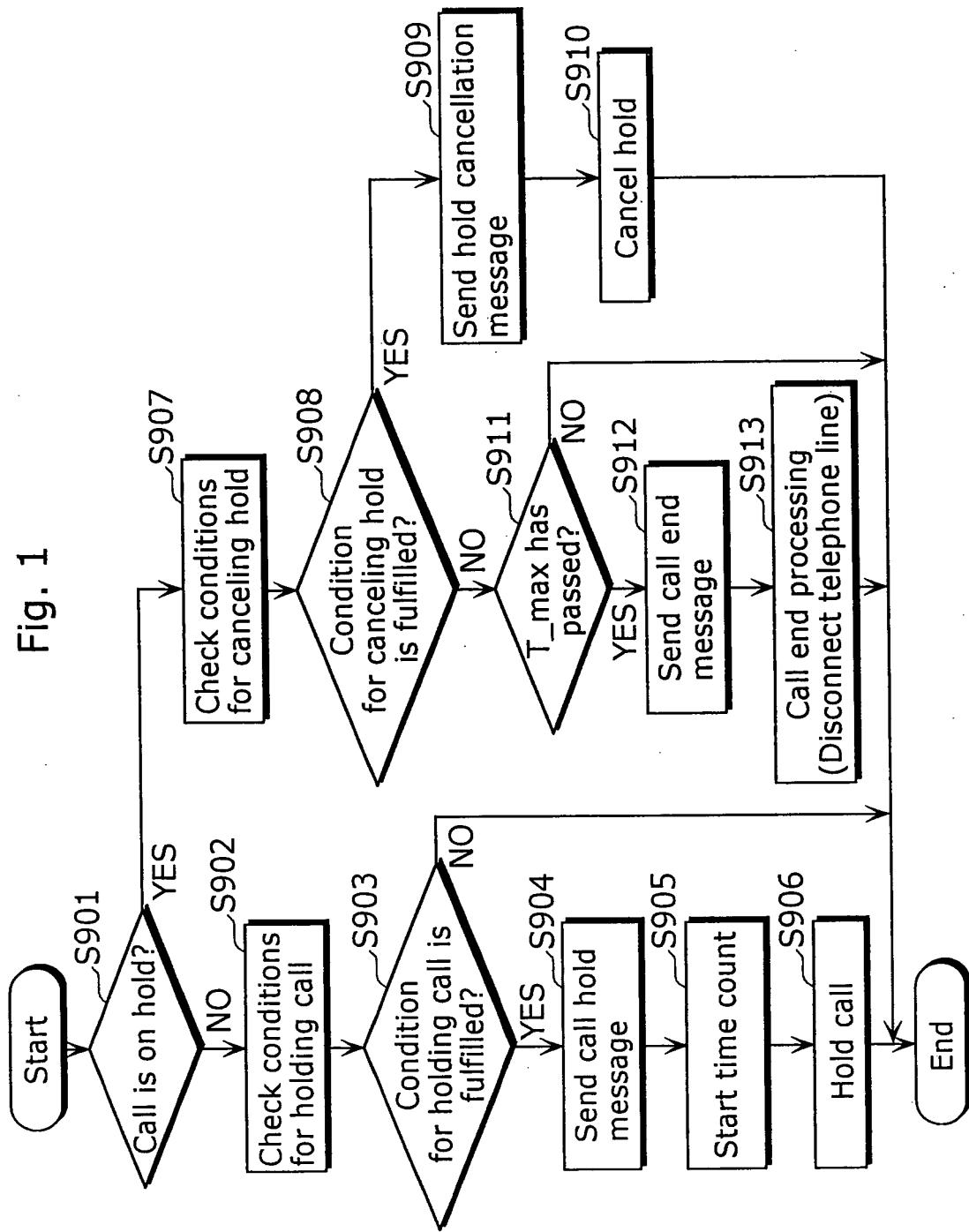


Fig. 2

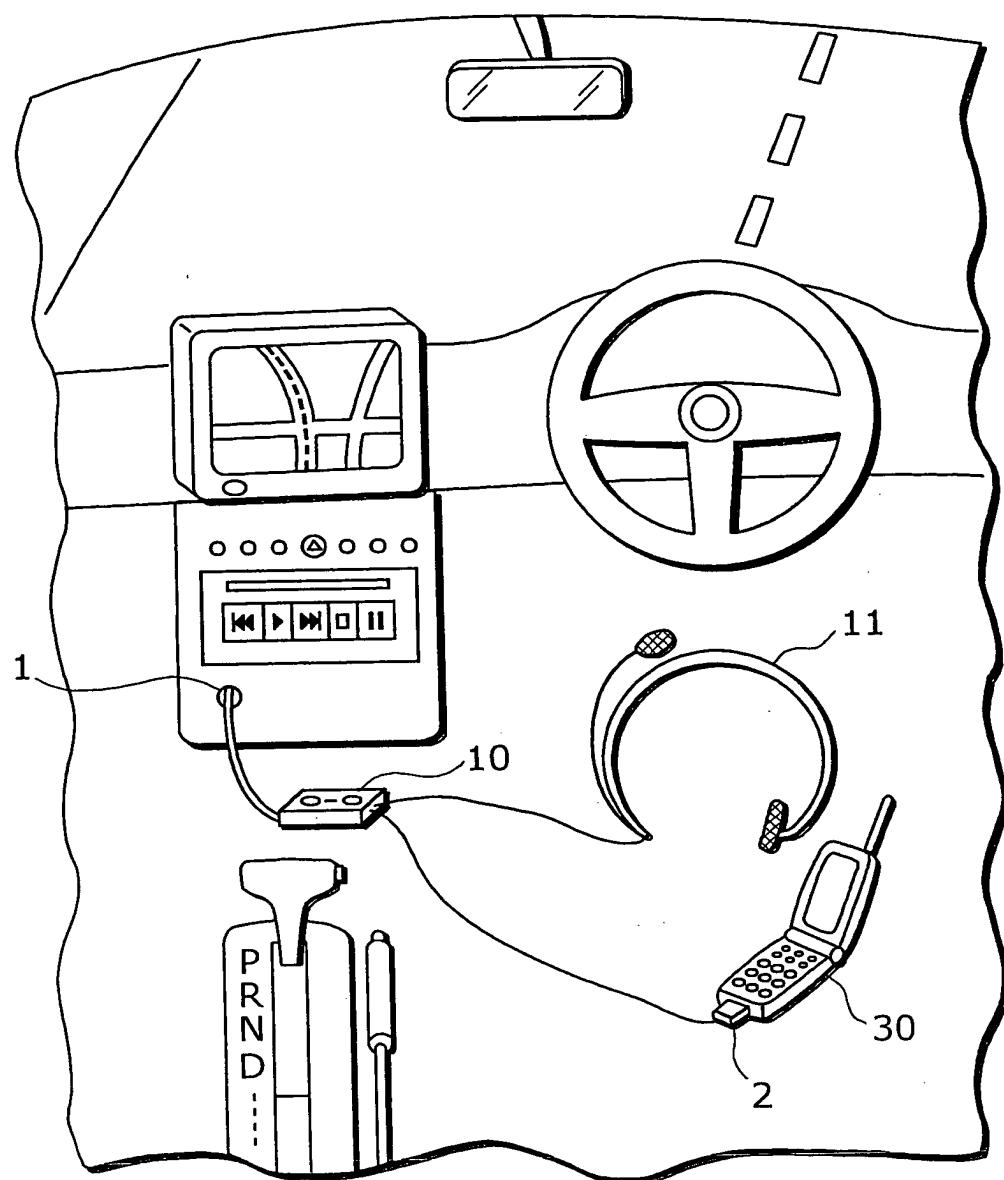


Fig. 3 10

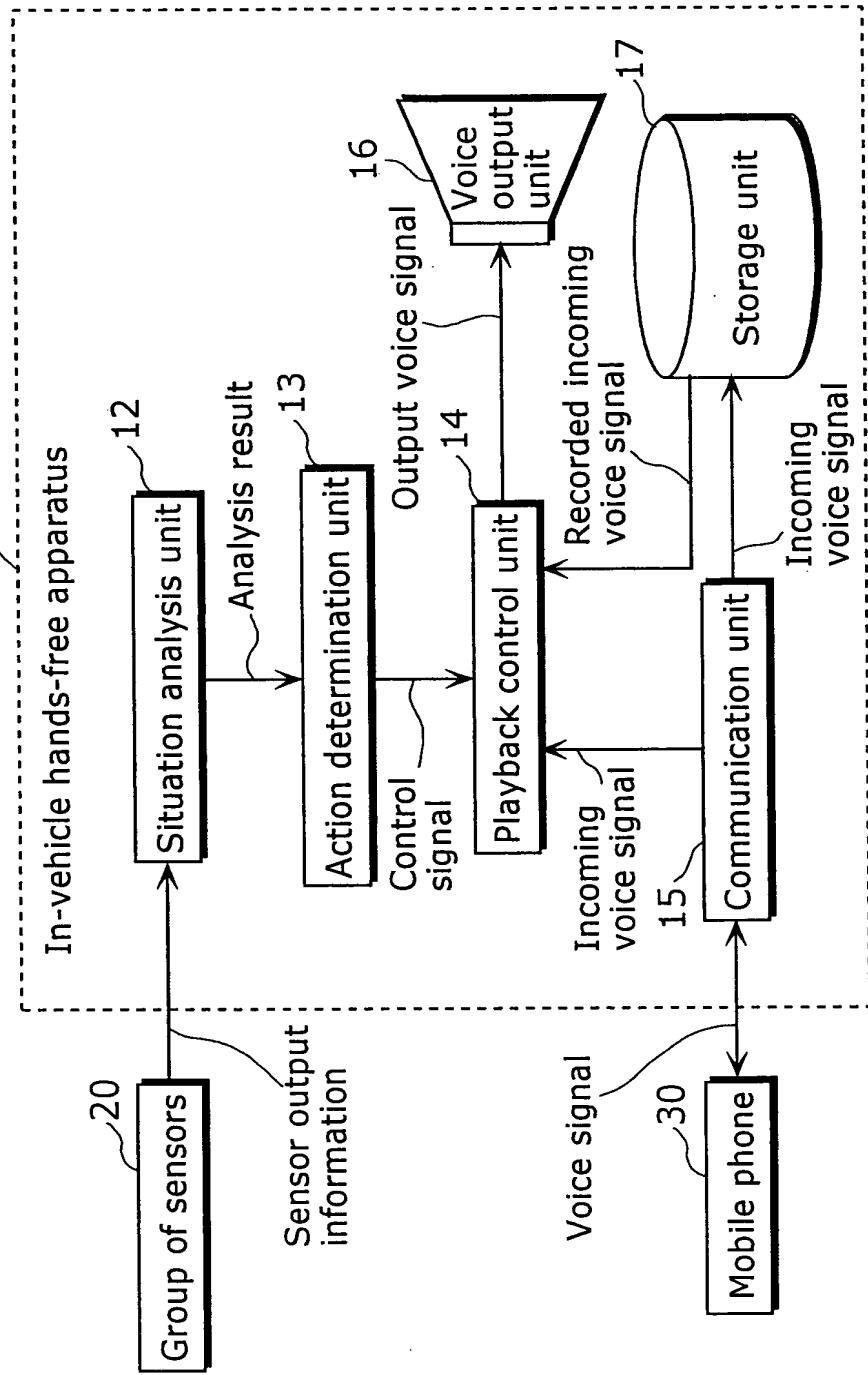


Fig. 4

| Sensor Type | Detection | Situation judged from Detection | Situation Category | Determined Action |
|---|--|---|--|---------------------------------|
| Winker + Car speed sensor | Winker ON and Car speed | Right or left turn · Merge into main lane · Change lane | | |
| Gear | Reverse gear | Move backward | Driver's viewpoint moves excessively | |
| Winker + Obstacle sensor . Range sensor | Winker ON and Obstacle ahead or behind of car | Start from road shoulder · Stop at road shoulder · Merge into main lane · Change lane | | |
| Obstacle sensor · Range sensor | Obstacle within a predetermined range from car | Obstacle | | |
| Range sensor | Distance between cars within a predetermined range | Short distance between cars | | |
| GPS terminal | Judged as dangerous terrain based on map data | Complicated and dangerous terrain | Driver hardly grasps surrounding situation | |
| Wiper + Light | Wiper in full swing and Light ON | Low visibility | | |
| Car speed sensor + ETC terminal | Overspeed excessively | Overspeed | Hold a call | |
| Noise sensor | Noise over a predetermined level | Noise detection | Driver hardly listens to voice | |
| Acceleration sensor | Sudden slowdown | | | |
| Horn | Horn ON | Driver's danger detection | Driver judges dangerous | |
| Push-button switch | Push-button switch ON | | | |
| Emergency notification apparatus (HELP) | HELP activated | Accident | Accident has occurred | |
| Airbag | Airbag activated | Non-dangerous situation | Non-dangerous situation | Continue a call · Cancel a hold |
| Each of above devices | Conditions exclusive of above | | | |

Fig. 5

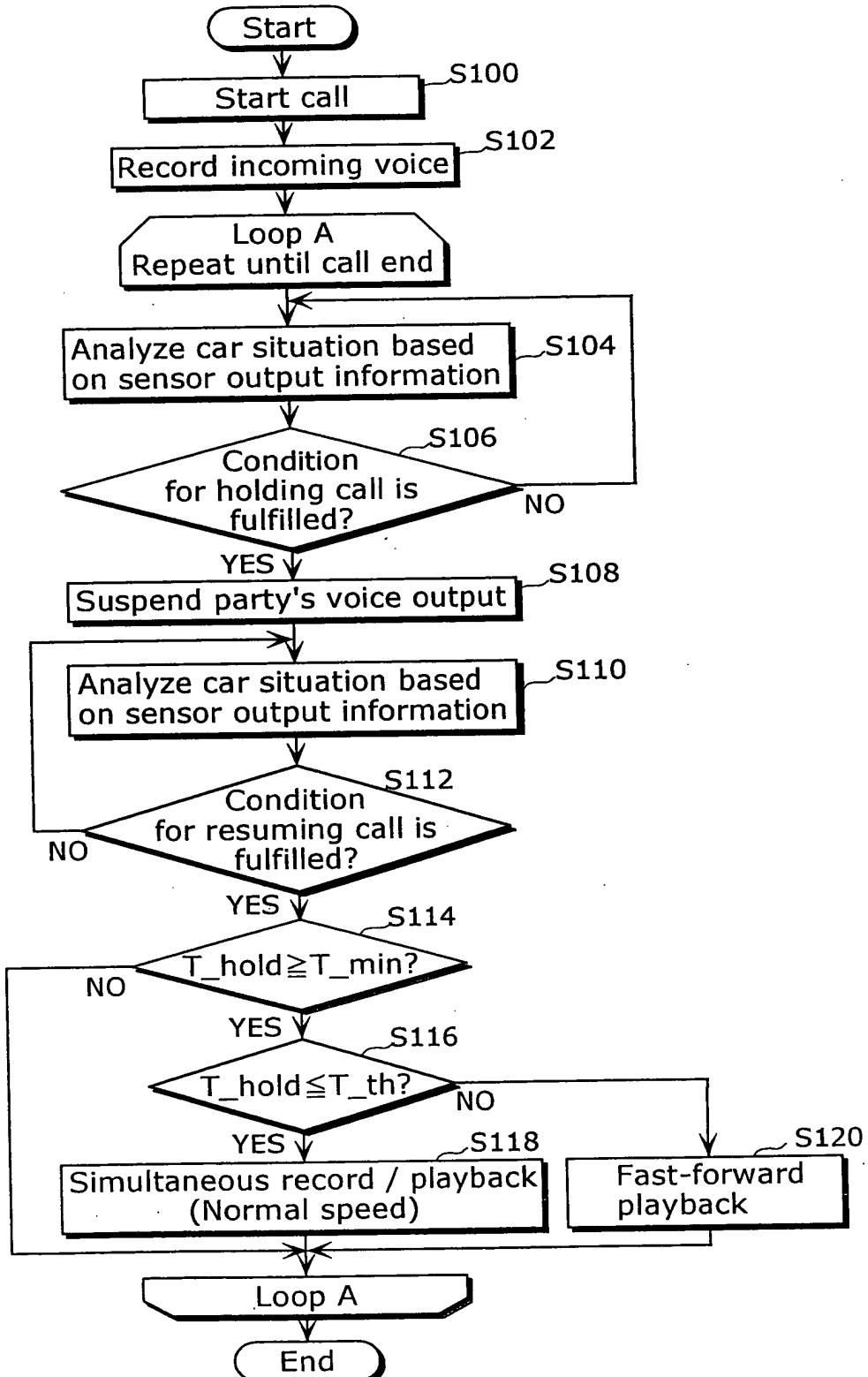


Fig. 6

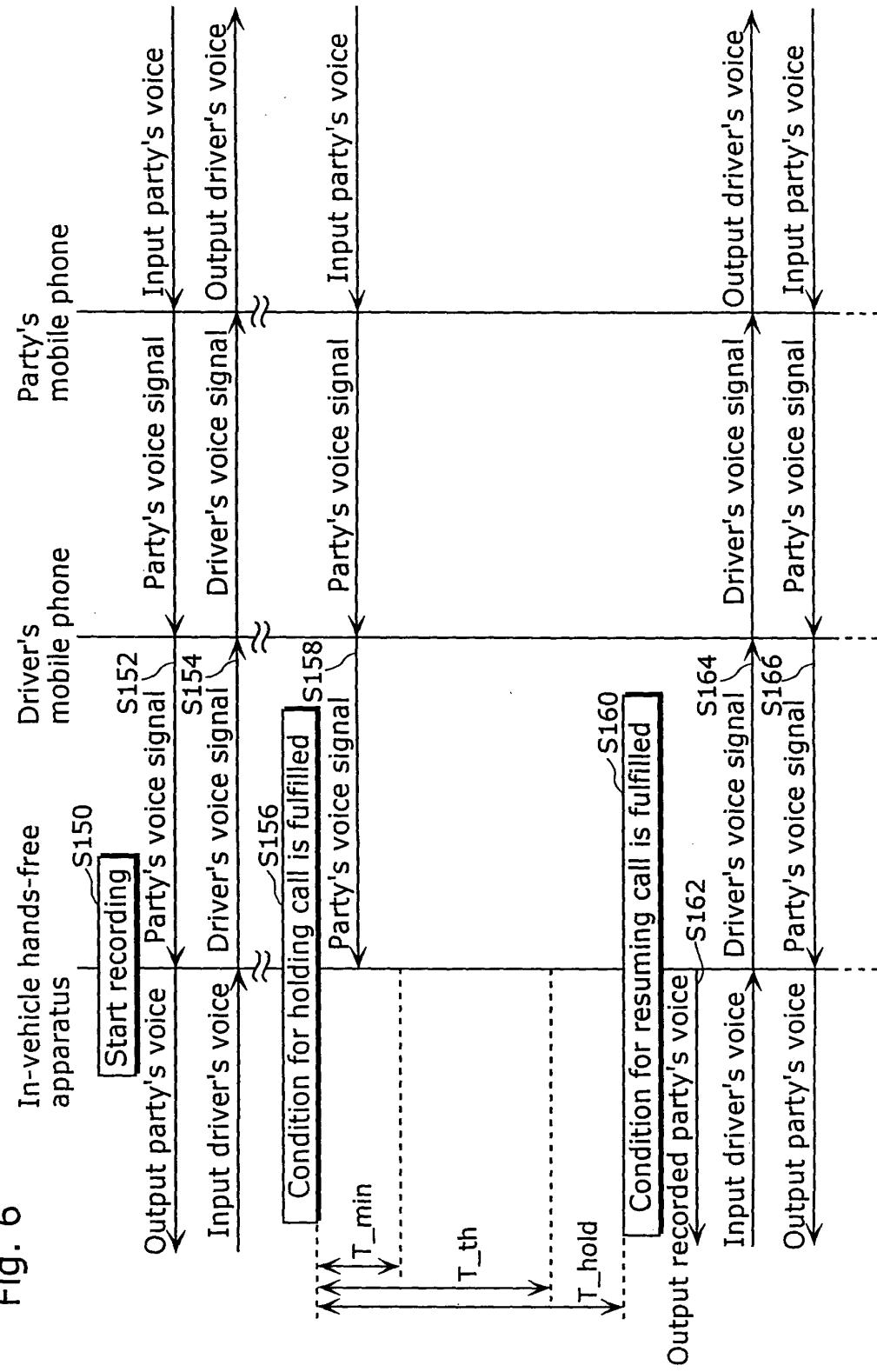


Fig. 7 40

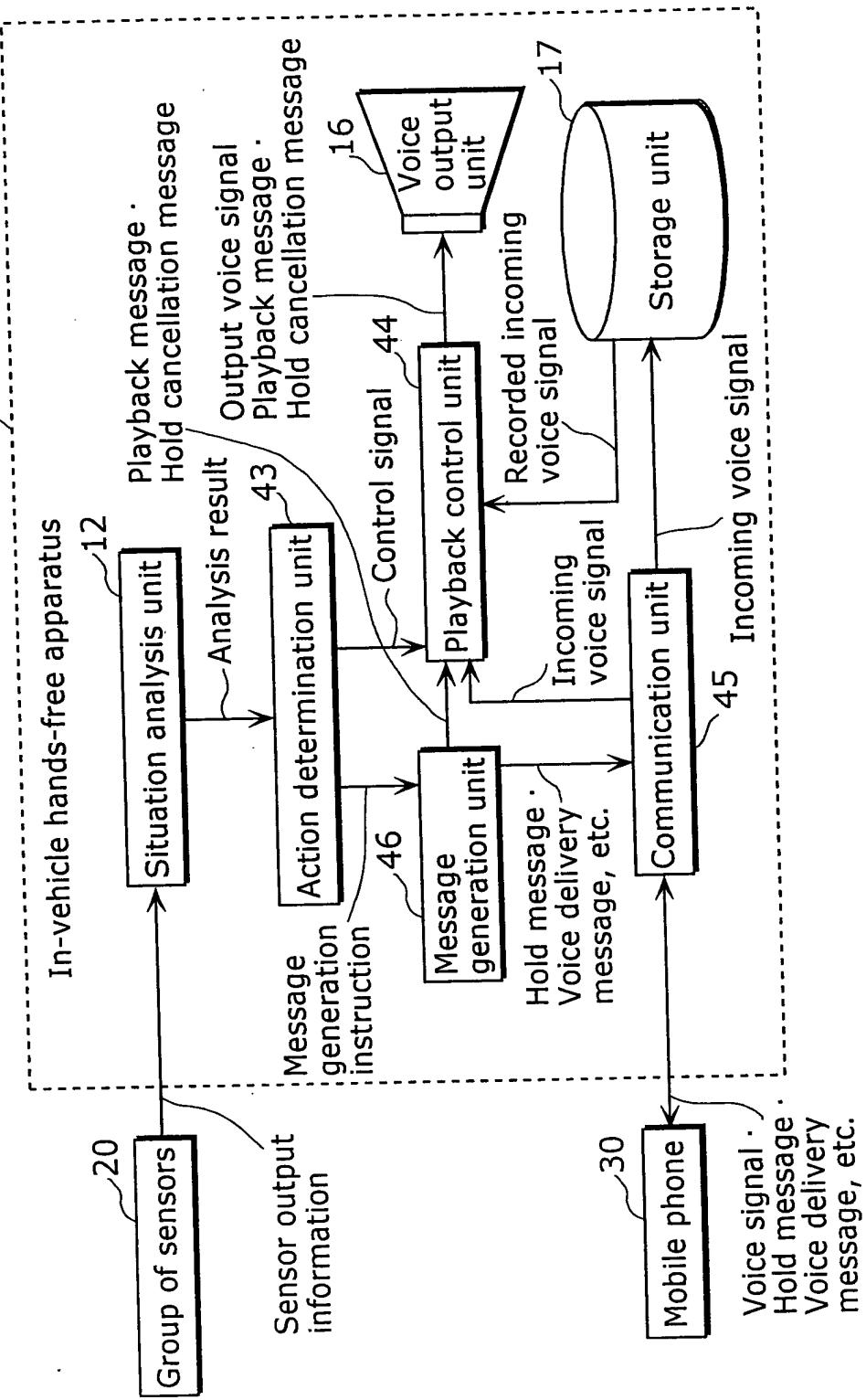


Fig. 8

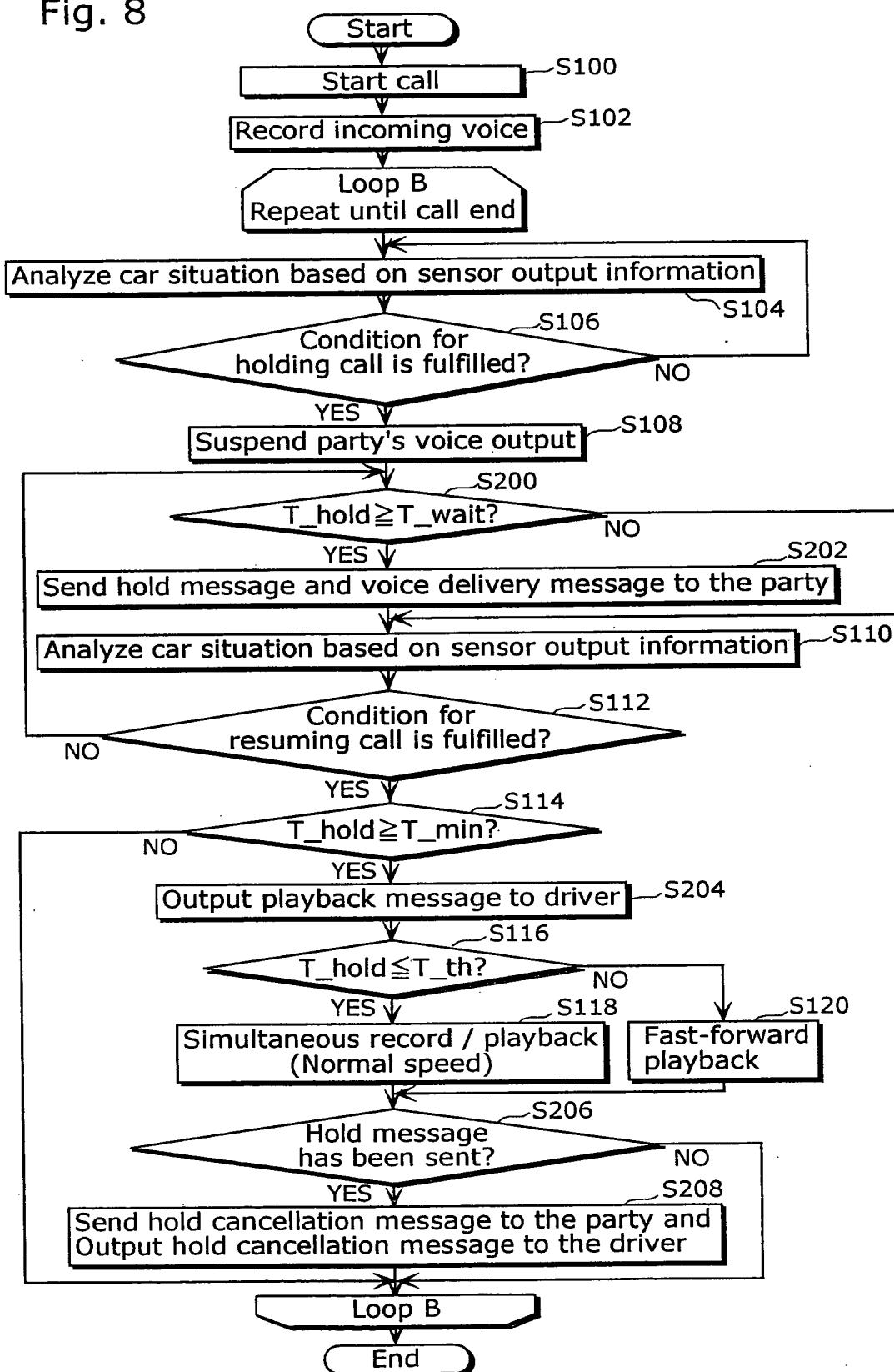


Fig. 9

